



TRIODE-POWER AMPLIFIER PENTODE

Heater Coated Unipotential	Cathode	1				
Voltage 6.3	a-c or d-c volts	ĺ				
Current 0.85	amp.					
Maximum Overall Length	4-5/8"					
Maximum Seated Height	4-1/16"	1				
Maximum Diameter	1-13/16"					
Bulb	ST-14					
Base	Medium Shell Octal 8-Pin					
Pin 1-Triode Grid @_⑤	Pin 5 - Pentode Grid					
Pin 2-Heater	Pin 6 - Triode Plate					
Pin 3 - Pentode Plate	Pin 7 - Heater					
Pin 4 - Pentode Screen	Pin 8 - Cathode					
(2) (2)	Any	ł				
Mounting Position With South VIEW (8						
DOLLOW ALEM (C	PAT /					
TRIODE UNIT	<u>.</u>					
Plate Voltage	285 max. volts	-				
Plate Dissipation	1.0 max. watt					
Characteristics - Class A, Amplifie		1				
Plate Voltage	250 volts	1				
Grid Voltage	-25 volts	1				
Amp. Factor	6	i				
Plate Res.	19000 approx. ohms					
Transcond.	325 µmhos	!				
Plate Current	4 ma.	1				
PENTODE UNI	<u> </u>	1				
Plate Voltage	375 max. volts					
Screen Voltage	285 max. volts	-				
Plate Dissipation	8.5 max. watts					
Screen Dissipation	2.7 max. watts	l				
Typical Operation and Characteristi	cs - Class A, Amplifier:					
Plate Voltage	250 volts					
Screen Voltage	250 volts	Ι.				
Grid Voltage	-16.5 volts	`				
Peak A—F Grid Voltage	16.5 volts					
Zero-Sig. Plate Current	34 ma.	1				
MaxSig. Plate Current	36 ma.	1				
Zero-Sig. Screen Current	6.5 ma.					
MaxSig. Screen Current	10.5 ma.					
Plate Resistance	80000 approx. ohms					
Transconductance	2500 µmhos					
Load Resistance	7000 ohms					
Total Harmonic Distortion	8 %	1				
Max.—Signal Power Output	3.2 watts					
PUSH-PULL AMPLIFIER						
Pentode Unit of 6AD7-G and a separate 6F6-G						
Plate Voltage	375 max. volts					
In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.						
- Indicates a change.]				



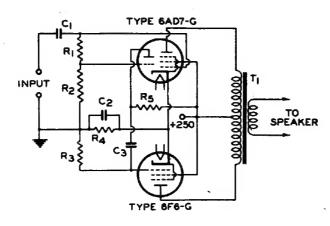


TRIODE-POWER AMPLIFIER PENTODE

	(continued fi	rom prece	ding pag	a >	
ı	Screen Voltage			285 ma	x. volts
ı	Plate Dissipation		*	8.5 ma	x. watts
ı	Screen Dissipation			2.7 ma	x. watts
ı	Typical Operation with Catho	de Bia	s - Clas	ss AB ₁ An	plifier:
ĺ	Values are for pentode un	iit of b	1D7-G and	8 76- G tog	ether
ı	Plate Voltage	250	285	375	volts
ı	Screen Voltage	250	285	250	volts
ı	Cathode Resistor	560	470	-470	ohms
ı	Peak A-F Grid to Grid Volt.	59	64	55	volts
ı	Zero-Sig. Plate Current	36	47.5	41	ma.
ı	MaxSig. Plate Current	41	54.5	50	ma.
ı	Zero-Sig. Screen Current	6.7	8.2	6.7	ma.
ı	Max,-Sig. Screen Current	11.7	13.7	9.2	ma.
ı	Effec. Load Resistance				
ı	(plate to plate)	14000	12000	16000	ohms
ı	Total Harmonic Dist.	4	4	2	%
ı	MaxSig. Power Output	6	8.5	9	watts

For curves of the pentode unit, refer to Type 6F6.

TYPICAL PUSH-PULL CIRCUIT WITH PHASE INVERTER USING 6AD7-G AND 6F6-G



-- Indicates a change.

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